

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.11.2025

Version number 1

Revision: 11.11.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name Arcora Exbetan-X

UFI: J820-A0RW-V004-17WD

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ARCORA® International GmbH

Marsstraße 9

D-85609 Aschheim

Telefon: +49 (0)89 / 14 33 29 3-0

Telefax: +49 (0)89 / 14 33 29 3-29

E-Mail: info@arcora.de

Informing department: Product safety department

1.4 Emergency telephone number:

Beratungsstelle bei Vergiftungen, Berlin (Giftnotrufzentrale Charité)

Tel.: +49 (0) 30 / 30686-700 (Beratung in Deutsch und Englisch)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

Additional information:

The classification of the mixture is based on the additivity principle of the ingredients to be considered as laid down in the CLP Regulation, taking into account specified substance-specific concentration limits (if available).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

Alcohol, iso-C13, ethoxylated (7-14 EO)

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Hazard statements

H318 Causes serious eye damage.

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Precautionary statements

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

Additional information:

EUH208 Contains cinnamaldehyde. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The substance/mixture does not contain components in quantities of 0.1% or more considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions (aqueous solution).

Dangerous components:

CAS: 5329-14-6 EINECS: 226-218-8 Reg.nr.: 01-2119488633-28	sulphamidic acid Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥10-<25%
CAS: 5949-29-1 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	citric acid monohydrate Eye Irrit. 2, H319; STOT SE 3, H335	≥1-<2.5%

SVHC

This product does not contain any substances of very high concern (REACH Regulation (EC) No 1907/2006, Article 57).

Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants	≥5 - <15%
anionic surfactants, perfumes (BENZALDEHYDE)	<5%

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Instantly remove any clothing soiled by the product.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact

Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

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After swallowing

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition may release irritant gases and vapours

5.3 Advice for firefighters

Protective equipment:

See section 8.

Wear full protective suit with self-contained breathing apparatus.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment and keep unprotected persons away.

6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Keep containers tightly sealed.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed. Store in cool, dry conditions.

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Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Storage class

12 Non-flammable liquids (TRGS 510, Storage of hazardous substances in portable containers)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

CAS: 111-76-2 2-butoxyethanol (≥5-<10%)

IOELV (European Union)	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 98 mg/m ³ , 20 ppm Skin
AGW (Germany)	Long-term value: 49 mg/m ³ , 10 ppm 2(l);EU, DFG; H, Y

DNELs

CAS: 111-76-2 2-butoxyethanol

Oral	DNEL (population)	26.7 mg/kg bw/day (Acute - systemic effects) 6.3 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	1,091 mg/m ³ (Acute - systemic effects) 246 mg/m ³ (Acute - local effects) 98 mg/m ³ (Long-term - systemic effects)
	DNEL (population)	426 mg/m ³ (Acute - systemic effects) 147 mg/m ³ (Acute - local effects) 59 mg/m ³ (Long-term - systemic effects)

CAS: 68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Oral	DNEL (population)	0.425 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (worker)	119 mg/kg bw/day (Long-term - systemic effects)
	DNEL (population)	42.5 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	7.6 mg/m ³ (Long-term - systemic effects)
	DNEL (population)	1.3 mg/m ³ (Long-term - systemic effects)

PNECs

CAS: 111-76-2 2-butoxyethanol

PNEC aqua	8.8 mg/l (fresh water) 0.88 mg/l (marine water)
PNEC	463 mg/l (STP (sewage treatment plant))
PNEC	2.33 mg/kg dw (soil)
PNEC sediment	34.6 mg/kg (fresh water)

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	3.46 mg/kg (marine water)
CAS: 68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	
PNEC aqua	0.268 mg/l (fresh water) 0.027 mg/l (marine water)
PNEC	35 mg/kg dw (soil)
PNEC sediment	8.1 mg/kg (fresh water) 6.8 mg/kg (marine water)
PNEC STP	3.43 mg/l (STP (sewage treatment plant))
Ingredients with biological limit values:	
CAS: 111-76-2 2-butoxyethanol (≥5-<10%)	
BGW (Germany)	150 mg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: Butoxyessigsäure (nach Hydrolyse)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Safety glasses

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Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	liquid
Colour:	Blue
Smell:	scented
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	>100 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Product is non-flammable nor potentially explosive
Auto-ignition temperature:	(lowest level for individual components)
Decomposition temperature:	Not determined.
pH at 20 °C	ca. 11
pH-value:	
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not applicable for mixtures.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C	1.017 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	Not relevant (liquid)

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not potentially explosive
Change in condition	
Evaporation rate	Not determined.

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Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: strong oxidizing agents

10.6 Hazardous decomposition products:

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	4,605 mg/kg
Inhalative	LC 50 / 4 h	50 mg/l (ATE)

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CAS: 111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
Dermal	LD50	>2,000 mg/kg (guinea pig)
Inhalative	LC 50 / 4 h	3 mg/l (ATE)

CAS: 69011-36-5 Alcohol, iso-C13, ethoxylated (7-14 EO)

Oral	LD50	500 mg/kg (rat) (CESIO-Empfehlung, Literaturwerte (300-2000 mg/kg))
Dermal	LD50	>2,000 mg/kg (rabbit)

CAS: 68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Oral	LD50	1,080 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

Not all ingredients are listed

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

The mixture has been classified according to Article 4.1.3.5 of the CLP Regulation based on the available data of the components (summation method):

The mixture has no aquatic toxicity.

12.2 Persistence and degradability

The organic components contained are easily biodegradable.

CAS: 111-76-2 2-butoxyethanol

Biodegradability	90.4 % (OECD 301 B) (28 d)
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CAS: 69011-36-5 Alcohol, iso-C13, ethoxylated (7-14 EO)

Biodegradability	>60 % (OECD 301 B) (Literaturwerte)
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CAS: 68411-30-3 Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Biodegradability	>60 % (OECD 301 B) (28 d)
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12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

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12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

Uncleaned packagings: Disposal must be made according to official regulations.

Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

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14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

UN "Model Regulation": Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA (Toxic Substances Control Act)

All ingredients are listed.

Canadian Domestic Substances List (DSL)

All ingredients are listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

All ingredients are listed.

Chinese Chemical Inventory of Existing Chemical Substances (IECSC)

All ingredients are listed.

Australian Inventory of Industrial Chemicals (AIIC)

All ingredients are listed.

Korean Existing Chemical Inventory (KECI)

All ingredients are listed.

New Zealand Inventory of Chemicals (NZIoC)

All ingredients are listed.

Taiwan Chemical Substance Inventory (TCSI)

All ingredients are listed.

Japan - Existing Chemical Substances (ENCS)

All ingredients are listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I (12. BImSchV) Not all ingredients are listed

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

Not all ingredients are listed

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

Not all ingredients are listed

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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Regulation (EU) No 649/2012

Not all ingredients are listed

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Not all ingredients are listed

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Not all ingredients are listed

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Not all ingredients are listed

Regulation (EC) No 273/2004 on drug precursors

Not all ingredients are listed

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Not all ingredients are listed

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

Not all ingredients are listed

National regulations

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

In accordance with Annex II of EC No 1907/2006 as applicable on the date of this safety data sheet.

Registration-Number

Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Registration-Number

Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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*ICAO: International Civil Aviation Organisation**LEV: Local Exhaust Ventilation**RPE: Respiratory Protective Equipment**RCR: Risk Characterisation Ratio (RCR= PEC/PNEC and RCR= Estimated Exposition/DNEL)**ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**SVHC: Substance of Very High Concern**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**ATE: Acute toxicity estimate values**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

EU